

Claims:

1. Method for removing ammonia and dust from a waste gas that occurs during the production of fertilizers, preferably urea, in which method the waste gas is introduced into a first washer, and a cooling gas is introduced into a second washer, and additional water is introduced into the one washer and an aqueous solution is introduced into the other washer, whereby both the waste gas and the cooling gas pass through at least one mist collector before exiting from the washer, in each instance, characterized in that the additional water is first introduced into a fine-washing area of the first washer, delimited by the mist collector on the top and by a liquid-impermeable partition bottom at the bottom, and sprayed onto the at least one mist collector, and the aqueous solution that forms in the fine-washing area is subsequently passed into the second washer.
2. Method according to claim 1, characterized in that the aqueous solution that exits from the second washer is introduced into the main washing area of the first washer, provided below the partition bottom, into which the waste gas also enters.
3. Method according to claim 1 or 2,

characterized in that

a bell-shaped bottom is used as the partition bottom.

4. Method according to claim 1 or one of the following,  
characterized in that  
an acid is introduced into the fine-washing area of the  
first washer.
5. Method according to claim 1 or one of the following,  
characterized in that  
a urea concentration of 40-60%, preferably 55% is set in the  
main washing area of the first washer.